

Abstract

Torsionally flexible shaft coupling

5 Disposed around a universal joint (12), which comprises a first and a second substantially rigid joint body (14, 28),
is a rim (40) of loop-shaped flexible coupling elements
(42), which are each looped around one first moulded piece
(50) and one second moulded piece (52). The first moulded
10 pieces (50) are connected rigidly to a flange (22) on the
first joint body (14) and disposed between second moulded
pieces (52). The second moulded pieces (52) are connected
firmly to a counter-flange (34), which forms part of a
rotational body (62). The latter forms one end of a torque
15 transmission chain, the other end of which is the second
joint body (28). The first joint body (14) has a tubular
piece (16), which encloses the second joint body (28) and
has an outer lateral surface (18) of circular cross
section, against which the flexible coupling elements (42)
20 are supported in radial direction.

Fig. 4